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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In the Matter of the Application of:
Shawn Peter Bawell et al.
Serial No.: 10/055,278
Filed: January 22, 2002
For: Improved Quadrature Hybrid And Improved Vector
Modulator In A Chip Scale Package Using Same
Examiner: D. O. Takaoka Group Art Unit: 2817
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Assistant Commissioner for Patents
Washington, DC 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, DC 20231 on June 18, 2003.

Paula M. Cariglione
Paula M. Cariglione

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Sir:

An Information Disclosure Statement is submitted herewith pursuant to 37 CFR §§1.97-1.98. Please note the following particulars:

[NOTE: One only of items a, b, c, and d must be checked.]

- [] a. The enclosed statement is being filed within three months of the filing date of a national application, or within three months of the date of entry into the national stage as set forth in 37 CFR §1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.
- [X] b. The enclosed statement is being filed after a first Office Action on the merits but before the mailing date of a final Office Action under 37 CFR §1.113, or a notice of allowance under 37 CFR §1.311.

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The enclosed statement is accompanied by [check one]

- [X] i. a certification in part (e) below as specified in 37 CFR §1.97(e);

or

- [] ii. permission is hereby given to the Commissioner to charge Deposit Account No. 23-1950 in the amount of \$240 required by 37 CFR §1.17(p).

- [] c. The enclosed statement is being filed after the mailing date of a final action under 37 CFR §1.113, or a notice of allowance under 37 CFR §1.311,

but before payment of the issue fee.

PETITION: It is requested that the information being submitted be considered.

[**Note:** If box (c) is checked, both of the following boxes must be checked.]

- [] **PETITION FEE:** Permission is hereby given to the Commissioner to charge Deposit Account No. 23-1950 in the amount of \$130.00 as required by 37 CFR §1.17(i)(1).

- [] **CERTIFICATION** is attended to in box (e) below.

- [] d. The enclosed statement is being filed pursuant to 37 CFR §1.97(i), for placement in the file.

- [X] e. Certification[Check one] [Certification is required only if box (b)(i) or box (c) has been checked.]

- [X] I hereby certify that each item of information contained in the enclosed Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement;

or

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[] I hereby certify that no item of information in the enclosed Information Disclosure Statement herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no such item of information was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement;


or

[] Other appropriate certification is attached.

[X] f. If a fee is due in connection with this communication the Commissioner is authorized to charge any fee or additional fee due in connection with this communication to Deposit Account No. 23-1950. **If (f) is checked, a duplicate of this sheet is enclosed.**

Respectfully submitted,

Shawn Peter Bawell et al.
Applicant(s)



Joseph A. Tessari
Registration No. 32177
Attorney for Applicant(s)
Phone: (302) 633-3566
Facsimile: (302) 633-2776

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FORM PTO-1449
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. / DOCKET NO. / SERIAL NO.
JAT / 17797 / 10/055,278INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Shawn Peter Bawell et al.FILING DATE / GROUP
1/22/02 / 2817

U.S. PATENT DOCUMENTS

EXAM INIT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FIL. DATE
AA	3,723,914	3/73	Cappucci	333	11	1/72
AB	5,748,056	5/98	Bahl	333	112	10/96
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRNS Y/N
AK GB 1 297 779 A	11/72	Germany	H03H	7/00	
AL					
AM					
AN					
AO					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	International Search Report, International application No. PCT/US 03/01481, International filing dated 16/01/2003, Applicant's or agent's file reference 17797 PCT
AR	
AS	

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.